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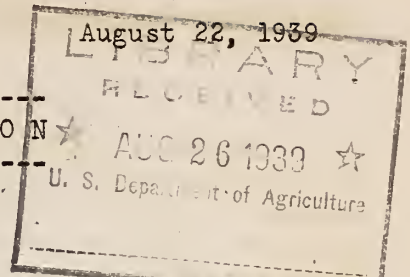
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UNITED STATES DEPARTMENT OF AGRICULTURE
Bureau of Agricultural Economics
Washington

TFS-32

THE FRUIT SITUATION

Summary



Market prices of most fruits declined sharply during the last half of July and first half of August largely because of a seasonal increase in marketings, according to the Bureau of Agricultural Economics.

Fruit crop prospects in general declined slightly during July, but condition as of August 1 indicated that production of most fruits in 1939 will be considerably larger than the recent 10-year average and that the supply of a number of the major fruits will exceed that of a year earlier.

The first estimate of the 1939 apple crop is for a commercial production of 103 million bushels, which is 25 percent larger than the relatively small 1938 crop and 6 percent larger than the recent 10-year average commercial production. Larger United States crops this year than last are indicated also for apricots, cherries, peaches, and fresh plums and prunes. The pear and grape crops are indicated to be slightly smaller than last year, but they are well above average.

Citrus crops from the bloom of 1939 developed under rather favorable conditions in California and Florida during July, but dry weather reduced prospects in Texas.

Harvesting and marketing of many of the important fruit crops were well underway in August and market prices were declining. Market prices of most fruits in mid-August averaged well below those of a year earlier.

Prices of early pears and summer oranges, however, averaged slightly higher than in mid-August 1938.

APPLES

August 1 condition indicated a 1939 commercial apple crop (that part of the total apple crop to be sold for fresh consumption) of 103 million bushels or about 25 percent more than was thus marketed in 1938 and 6 percent more than the recent 10-year average of 96 million bushels. Larger-than-average supplies for 1939 are indicated in all important areas except the South Central and Western States. The crop is larger than in 1938 in all areas except the far Western States. Unusually large commercial supplies are in prospect in the North Atlantic and North Central States, the two most important producing areas outside the Western group. In the South Atlantic States, where commercial production is largely for the export market, supplies are expected to be about 13 percent larger than in 1938 and only slightly above average. In the Western States, where the commercial crop is produced for both export and domestic markets, production is indicated to be down 5 percent from last year and 15 percent below the recent 10-year average.

Marketings of the early varieties of the 1939 production were well underway in August and market prices during recent weeks have declined sharply. Prices have averaged considerably below those of a year earlier in mid-western markets.

Factors affecting apple prices

The August 1938 issue of the Fruit Situation included a statistical analysis and brief explanation of the factors affecting apple prices. The analysis indicated that changes in three factors had an important influence on annual changes in apple prices: (1) Supplies of apples (apple production), (2) Supplies of competing fruits (orange production on an apple marketing year basis), (3) The purchasing power of consumers, as measured by the index of income of industrial workers.

This analysis is now recast and brought up to date. Because of a change in the method of estimating the apple crop, information concerning total supplies of apples is no longer available. It is necessary, therefore, to substitute for total supply or production the estimate of the commercial crop. Also, it is considered desirable to substitute a broader measure of consumer purchasing power for the index of income of industrial workers. This new measure is an index of nonagricultural income.

The relationship between changes in apple prices and in the commercial supply of apples, the supply of oranges on an apple marketing year basis, and the level of income of consumers is presented in the accompanying analysis. It is indicated that all three factors have an important

bearing on changes in the general level of apple prices for a given season. It is apparent from this analysis that the general level of apple prices for the 1938 crop could have been discerned early in the 1938 apple marketing season. Indications as to the size of the 1938 crop of apples and oranges were available in early July 1938 and approximations of the index of income could have been made at the same time. Although these early indications of each of the three factors were not exactly in accord with the final determinations, they were sufficiently accurate to give a fairly close estimate of the crop-year average of apple prices early in the season. The closeness of fit of the final observation for 1938 in the analysis here presented demonstrates that the forces influencing apple prices in previous years continued to operate with respect to the 1938 crop and that the usual relationship between them prevailed in that year.

A brief explanation of the chart presented on page 5 follows:

In part A of figure 1 each dot represents the season average price for apples, as measured on the vertical scale, and also commercial production, as measured on the horizontal scale. The line drawn through the dots indicates the average relationship existing between changes in production and in prices under average demand conditions and with average supplies of oranges. The downward slope of the line indicates that as production increases prices tend to decline. One will note that individual years deviate considerably from this line of average relationship between production and price. If commercial production were the only factor affecting apple prices, all of the dots would fall exactly on the line. It is apparent then that only part of the variation in price is associated with variation in commercial apple supplies.

The deviations from the line in part A, that is, the difference between the actual prices and the prices one would expect if commercial production of apples were the only price-making factor, are plotted in part B against the annual production of oranges. The price deviations (or that part of the variation in apple prices not accounted for by changes in supply) are measured on the vertical scale, and orange production on the horizontal scale. The line drawn through these dots expresses the average relationship between changes in the farm price of apples and changes in orange production, under conditions of average demand and average apple production. If production of apples and production of oranges were the only factors affecting apple prices, all of the dots in part B would fall on the line of average relationship.

In part C are plotted the deviations of the dots from the line in part B against index numbers of nonagricultural income. As in part B, price deviations are measured on the vertical scale. Nonagricultural income is measured on the horizontal scale. The line drawn through the dots indicates the average relationship between changes in apple prices and changes in nonagricultural income, if commercial production of apples and oranges were average. If the three factors, commercial apple production,

orange production, and nonagricultural income, were the only price-making factors, the dots in part C would all lie on the line. Accordingly, the deviations of the dots from this line indicate the presence of other price-affecting factors. The fact that these deviations are relatively small - about three-fifths of them no larger than 3 cents per bushel, and the largest only 9 cents per bushel - indicates that a very large proportion of the changes in season average apple prices is accounted for by variations in these three factors.

In regard to the relative importance of each of these factors affecting changes in apple prices, this analysis indicates that for the period covered, 1922-38, they rank as follows: (1) changes in the purchasing power of consumers; (2) changes in the production of apples; (3) changes in the production of oranges. Peculiarities of the data themselves tend to invalidate a more precise statement of the relative importance of each of these factors.

This type of analysis is useful in price work for three reasons. In the first place, it indicates very definitely that changes in prices are caused by tangible economic forces, not merely by changes in what dealers or other people think apples should sell for. Second, it offers a means of determining the relative importance of these forces. Third, available information on the factors affecting prices for a particular season can be utilized more effectively, and the probable effect of the several forces upon prices can be evaluated with more accuracy than by a purely qualitative consideration of the market situation.

APPLE PRICES* RELATED TO COMMERCIAL APPLE PRODUCTION,
ORANGE PRODUCTION, AND NONAGRICULTURAL
INCOME, UNITED STATES, 1922-38

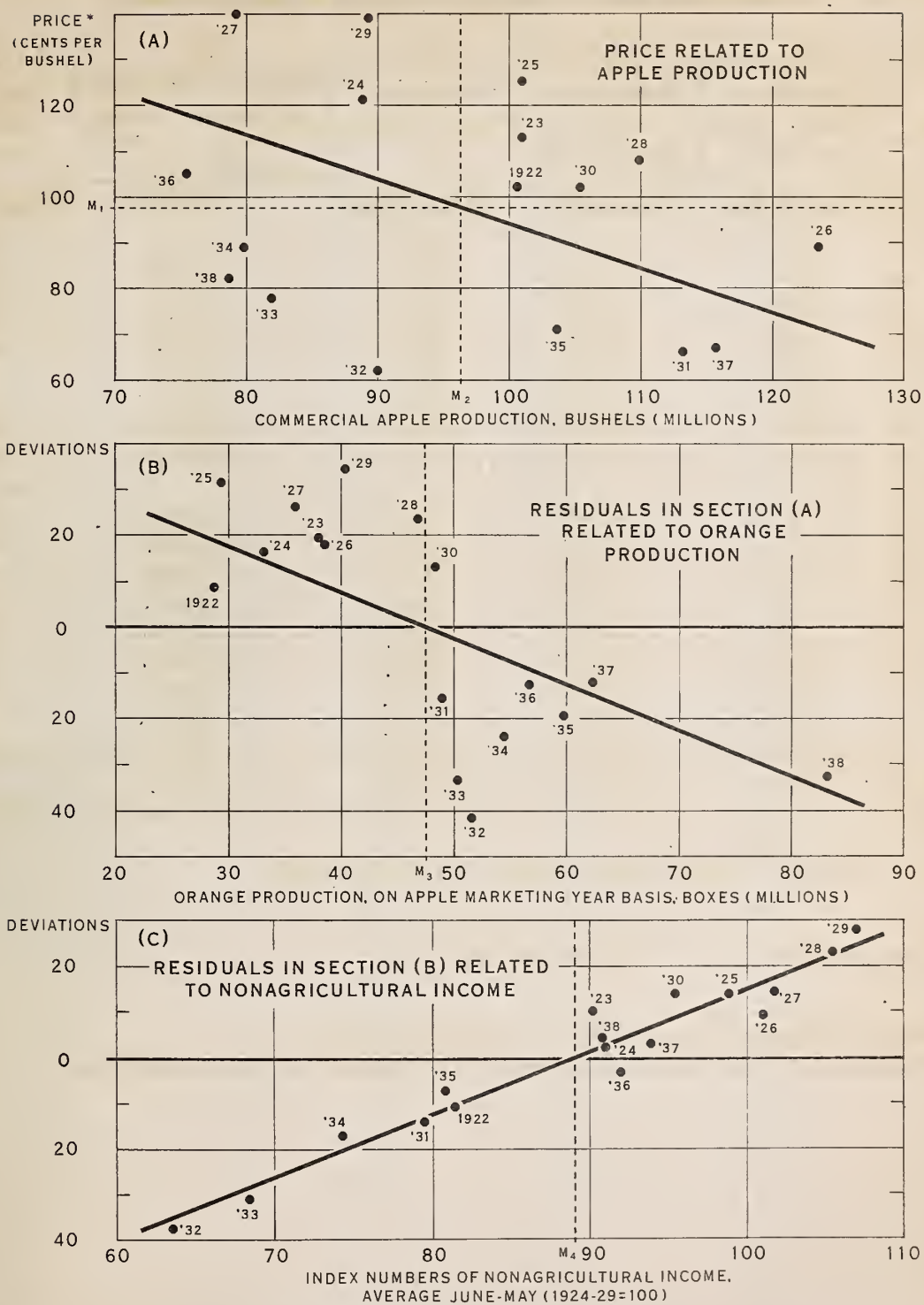


FIGURE I

Table 1.- Apple prices related to commercial production, to orange production, and to nonagricultural income, 1922-38

	X_1	X_2	X_3	X_4	X_1'
Year	Crop-year average price to growers	Commercial apple production	Orange production 1/	Index of nonagri- cultural income (1924-29 av.=100) June-May av.	Estimated average prices 2/
	Cts. per bu.	Mil. bu.	Mil. boxes	Percent	Cts. per bu.
1922	102	100.6	28.8	81.5	102
1923	113	100.9	35.0	90.2	104
1924	121	88.8	33.2	91.1	122
1925	125	101.1	29.4	93.8	124
1926	89	123.6	38.6	101.1	97
1927	140	79.3	36.0	101.8	143
1928	108	109.9	46.9	105.5	107
1929	139	89.3	40.4	107.0	136
1930	102	105.4	48.3	95.4	97
1931	66	113.2	49.0	79.5	67
1932	62	90.0	51.5	63.6	65
1933	78	81.9	50.2	68.4	80
1934	89	79.9	54.4	74.3	86
1935	71	103.7	59.8	80.9	67
1936	105	75.5	56.7	92.1	112
1937	67	115.7	62.4	93.9	70
1938	82	78.7	83.2	90.8	80
Means	97.59	96.32	47.46	89.17	

$$\text{Equation} = 116.716 - .958 X_2 - 1.016 X_3 + 1.361 X_4$$

$$\bar{R}_{1.234} = .9818$$

$$\bar{S}_{1.234} = 4.73$$

1/ Orange production on an apple marketing basis.

2/ Estimated average price to growers determined by the equation.

Table 2.- Apples: Commercial production by States, average 1928-37, annual 1937-38, and indicated 1939 ^{1/}

State	Average 1928-37	1937	1938	Indicated 1939
	<u>1,000 bu.</u>	<u>1,000 bu.</u>	<u>1,000 bu.</u>	<u>1,000 bu.</u>
Maine	900	769	506	750
New Hampshire	675	867	400	690
Vermont	525	835	276	750
Massachusetts	2,177	2,598	1,583	2,140
Rhode Island	262	255	176	225
Connecticut	1,043	1,500	986	935
New York	11,914	12,863	10,464	14,750
New Jersey	2,486	3,600	2,900	2,800
Pennsylvania	4,137	6,500	3,800	5,800
Ohio	3,325	6,000	1,950	5,500
Indiana	942	1,700	700	1,150
Illinois	3,203	5,900	1,900	4,500
Michigan	5,456	8,500	4,800	8,200
Wisconsin	423	500	310	450
Minnesota	156	150	145	175
Iowa	273	240	340	320
Missouri	1,266	2,200	250	1,450
Nebraska	222	230	350	270
Kansas	688	978	500	885
Delaware	1,273	2,144	1,450	1,750
Maryland	1,331	1,750	1,419	1,550
Virginia	8,153	10,391	7,268	7,800
West Virginia	3,576	5,500	3,227	4,000
North Carolina	657	875	480	580
Georgia	426	520	420	450
Kentucky	374	660	130	300
Tennessee	278	450	120	250
Arkansas	912	1,288	175	750
Oklahoma	70	135	50	60
Montana	337	320	310	300
Idaho	3,563	3,100	2,451	2,300
Colorado	1,630	1,116	1,746	1,100
New Mexico	615	818	400	620
Arizona	32	38	32	40
Utah	404	310	345	240
Washington	24,907	22,450	22,400	21,500
Oregon	2,828	2,154	2,617	2,500
California	5,032	5,529	5,019	4,800
38 States	96,469	115,733	82,395	102,630

^{1/} Commercial production is that part of the crop sold or to be sold for fresh consumption.

Table 3.- Apples California Gravenstein: Weighted average auction price per box, all grades, at New York and Chicago, by specified weeks, 1938-39

Week ended :	New York		Chicago	
	1938	1939	1938	1939
	Dollars	Dollars	Dollars	Dollars
July 15	--	--	--	--
22	--	--	--	1.82
29	--	1.71	1.79	1.52
Aug. 5	1.97	1.37	1.71	1.32
12	2.11	1.50	1.58	1.22

Table 4.- Apples, eastern and mid-western: Unweighted average wholesale price per bushel, for stock of generally good quality and condition (U.S. #1 when quoted) at New York City and Chicago, by specified varieties and weeks, 1938-39 1/

Market and week	1938				1939			
	Will-iams	Olden-burg	Starr	All varie-ties	Will-iams	Olden-burg	Starr	All varie-ties
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
<u>New York</u>								
July 15	--	--	.75	.74	1.22	1.00	1.08	1.00
2283	.67	.83	.84	1.06	.83	1.08	1.05
2967	.62	.89	.82	.80	.65	.84	.96
Aug. 5	1.02	.62	--	.78	1.00	.80	.71	.93
12	1.08	.66	--	.97	1.31	.66	--	.96
<u>Chicago</u>								
July 15	1.26	1.48	1.68	1.48	.66	.94	--	.70
22	1.13	1.26	1.52	1.36	.90	.94	1.21	.96
29	1.05	.98	1.41	1.12	.59	.58	.95	.94
Aug. 5	--	.82	1.32	1.06	.38	.54	.88	.69
12	--	.88	1.30	.96	--	.54	.86	.74

1/ Mostly 2 1/2 - 2 3/4 inch minimum.

Table 5.- Apples: Commercial production by regions, average 1928-37, annual 1938 and indicated 1939

Region and State	Average 1928-37 1,000 bu.	1938 1,000 bu.	Indicated 1939 1,000 bu.	1939 as percent of average Percent	1939 as percent of 1938 Percent
Total United States:	96,469	82,395	102,630	106.4	124.6
North Atlantic	24,119	21,091	28,840	119.6	136.7
South Atlantic	15,416	14,264	16,130	104.6	113.1
Total Eastern	39,535	35,355	44,970	113.7	127.2
North Central	15,954	11,245	22,900	143.5	203.6
South Central	1,634	475	1,360	83.2	286.3
Total Central	17,588	11,720	24,260	137.9	207.0
Pacific Northwest 1/:	31,298	27,468	26,300	84.0	95.7
California	5,032	5,019	4,800	95.4	95.6
Other Western	3,018	2,833	2,300	76.2	81.2
Total Western	39,348	35,320	33,400	84.9	94.6

1/ Includes Washington, Oregon, and Idaho.

Table 6.- Citrus fruits: Weighted average auction price per box, New York and Chicago, by specified weeks, 1938-39

Market and week	Oranges				Grapefruit				Lemons	
	Calif. valencias		Florida		California		Florida		California	
	1938	1939	1938 1/	1939	1938	1939	1938 1/	1939	1938	1939
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
New York :										
July 15:	2.93	2.89	2.26	2.33	2.28	3.27	1.58	1.78	4.39	4.57
22:	3.31	2.90	2.09	2.14	2.64	2.67	1.28	1.92	4.23	4.63
29:	3.36	3.11	2.41	2.39	2.84	2.15	1.24	1.59	3.69	4.32
Aug. 5:	3.32	3.12	2.48	2.59	3.40	2.00	1.56	1.48	4.39	4.22
12:	3.16	3.36	2.60	2.80	3.25	2.23	--	1.71	3.97	4.51
Chicago:										
July 15:	3.22	2.83	3.00	2.62	1.78	2.37	2/.63 *	--	4.71	4.92
22:	3.12	3.12	--	3.20	2.21	2.67	-- 1/2	1.84	3.96	4.61
29:	3.10	2.93	--	2.86	2.44	2.39	--	1.45	3.61	4.14
Aug. 5:	3.11	3.09	--	2.82	2.86	1.99	--	1.78	4.07	4.26
12:	3.11	3.12	--	--	2.58	1.73	--	--	4.45	4.32

1/ Includes 2-bushel Bruce boxes converted to basis of standard boxes.

2/ Less than 500 boxes sold.

Table 7.- Citrus fruits: Condition on August 1 1/

Crop and State	Average 1928-37 Percent	1938 Percent	1939 Percent
<u>Oranges:</u>			
California, all	75	77	68
Valencias	76	76	70
Navels and miscellaneous	73	78	65
Florida, all	73	76	77
Early and mid-season	--	--	--
Valencias	--	--	--
Tangerines	65	70	52
Satsumas	56	65	67
Texas	<u>2/</u> 65	78	62
Arizona	<u>2/</u> 80	71	66
Alabama	--	76	70
Mississippi	--	93	60
Louisiana	<u>2/</u> 84	80	69
Total 7 States	74	77	71
<u>Grapefruit:</u>			
Florida, all	66	74	54
Seedless	--	--	--
Other	--	--	--
California	<u>2/</u> 77	80	70
Texas	<u>2/</u> 60	73	55
Arizona	<u>2/</u> 83	70	63
Total 4 States	<u>2/</u> 65	74	56
<u>Lemons:</u>			
California	74	79	66
<u>Limes:</u>			
Florida	72	74	66

1/ Relates to crop from bloom of year shown, picking beginning November 1 in California and September 1 in other States. Indicated production for the 1939-40 season will be issued in October.

2/ Short-time average.

Table 8.- Oranges: Weekly shipments from producing areas, by varieties and totals, January to August 1938-39 1/

Week ended	:Calif.:					:Calif.:					Total
	:Calif.:	:Ariz.:				:Calif.:	:Ariz.:				:Com-:Relief
	:Ariz.:	:Navels:	Fla.	Tex.	Total:	:Ariz.:	:Navels:	Fla.	Tex.	mer-	: pur-
	:Valen-:	:& Mis-:				:Valen-:	:& Mis-:				:cial :chases
	:cias	:cella-:				:cias	:cella-:				: 2/ : 4/
	:neous :					: 3/ :neous :					
	:Cars	Cars	Cars	Cars	Cars:	Cars	Cars	Cars	Cars	Cars	Cars
	1938					1939					
Jan. 7	---	907	1,356	57	2,703:	3	762	1,889	242	3,560	---
14	---	957	1,445	91	2,780:	---	787	2,035	197	3,407	---
21	---	848	1,417	126	2,695:	---	990	2,130	255	3,648	---
28	---	1,191	1,438	108	3,035:	---	1,010	2,050	218	3,612	2
Feb. 4	---	915	1,597	105	2,880:	---	885	1,948	327	3,481	13
11	---	1,313	1,940	138	3,618:	---	645	2,304	374	3,600	26
18	7	1,184	1,834	141	3,345:	2	957	2,216	328	3,729	73
25	10	1,700	1,743	108	3,677:	15	906	2,467	261	3,837	63
Mar. 4	3	649	1,564	145	2,426:	1	1,259	2,177	278	3,841	60
11	20	1,527	2,065	164	3,801:	17	1,070	2,343	225	3,732	57
18	52	1,256	1,692	148	3,167:	31	1,213	2,483	206	3,993	98
25	112	1,339	1,609	119	3,188:	91	1,116	2,280	219	3,772	72
Apr. 1	52	1,030	1,565	96	2,744:	102	988	2,149	173	3,451	83
8	41	1,256	1,765	77	3,139:	157	1,048	1,868	134	3,238	116
15	373	1,208	1,846	67	3,494:	207	1,364	1,653	121	3,361	132
22	441	1,442	1,378	48	3,309:	351	1,367	1,871	150	3,747	128
29	329	1,248	1,323	36	2,936:	326	1,189	1,634	117	3,275	128
May 6	977	655	1,374	20	3,026:	219	1,064	1,738	63	3,088	96
13	1,679	328	1,597	5	3,609:	286	866	1,427	47	2,633	42
20	1,965	63	1,365	3	3,396:	628	442	1,449	28	2,553	23
27	2,123	6	924	---	3,053:	1,057	115	1,364	13	2,552	46
June 3	1,798	1	823	---	2,623:	1,012	16	1,337	2	2,367	65
10	1,861	---	681	---	2,542:	1,339	6	1,390	---	2,735	99
17	1,587	---	548	---	2,136:	1,497	---	1,104	---	2,601	91
24	1,899	---	338	---	2,237:	1,278	---	1,132	---	2,410	110
July 1	1,648	---	276	---	1,924:	1,228	---	809	---	2,037	134
8	1,806	---	104	---	1,910:	1,038	---	545	---	1,583	0
15	1,890	---	73	---	1,963:	1,163	---	653	---	1,816	44
22	2,072	---	8	---	2,080:	1,395	---	416	---	1,811	47
29	1,794	---	6	---	1,800:	1,376	---	269	---	1,645	73
Aug. 5	1,738	---	5	---	1,743:	1,470	---	208	---	1,678	87
12	1,565	---	2	---	1,567:	1,349	---	54	---	1,403	71

1/ Rail, boat, and truck. No truck shipments reported for Louisiana, Alabama, and Mississippi; total truck shipments originating in Texas; interstate truck shipments only from Florida, California, and Arizona.

2/ Includes shipments from Alabama, Mississippi, and Louisiana, and tangerines, and a few shipments of California-Arizona Navels and Miscellaneous.

3/ Excluding relief shipments.

4/ Purchases made by Federal Surplus Commodities Corporation.

Table 9.- Grapefruit: Weekly shipments from producing areas and totals, January to August 1938-39 1/

Week ended		: Cali- : : for- : : Florida: nia- : Texas : : Ari- : : zona :			Total	: Cali- : : for- : : Florida: nia- : Texas : : Ari- : : zona :			: Total : Com- : Relief : mercial: pur- : : chases : : 2/	
		Cars	Cars	Cars		Cars	Cars	Cars	Cars	Cars
		1938				1939				
Jan.	7	513	40	510	1,063	592	36	747	1,375	74
	14	548	54	755	1,357	684	38	826	1,548	130
	21	600	53	1,003	1,656	712	42	671	1,425	86
	28	484	74	776	1,334	697	50	574	1,321	35
Feb.	4	480	61	557	1,098	746	44	754	1,544	102
	11	534	68	665	1,267	754	47	774	1,575	198
	18	539	44	705	1,288	687	51	656	1,394	192
	25	545	60	565	1,170	769	49	748	1,566	165
Mar.	4	596	40	760	1,396	902	41	814	1,757	102
	11	589	85	784	1,458	989	58	845	1,892	219
	18	510	99	721	1,330	885	59	654	1,598	249
	25	637	82	545	1,264	737	57	759	1,553	269
Apr.	1	562	102	423	1,087	690	51	654	1,395	221
	8	569	97	392	1,058	809	64	528	1,401	173
	15	712	141	395	1,248	946	81	434	1,461	139
	22	596	153	159	908	996	60	350	1,406	138
	29	624	175	96	895	811	87	299	1,197	157
May	6	447	161	23	631	825	95	240	1,160	182
	13	599	170	6	775	659	92	225	976	212
	20	572	171	2	745	689	78	154	921	216
	27	352	191	---	543	644	95	27	766	255
June	3	304	191	---	495	533	73	1	607	172
	10	240	286	---	526	536	90	2	628	156
	17	150	252	---	402	379	119	---	498	143
	24	61	141	---	202	437	85	---	522	118
July	1	34	71	---	105	226	72	---	298	104
	8	13	121	---	134	108	41	---	149	0
	15	15	88	---	103	97	109	---	206	0
	22	3	92	---	95	104	105	---	209	0
	29	2	86	---	88	94	71	---	165	0
Aug.	5	5	87	---	92	49	51	---	100	0
	12	1	109	---	110	19	33	---	52	0

1/ Rail, boat, and truck. Total truck shipments originating in Texas; interstate truck shipments only from Florida, California, and Arizona.

2/ Purchases made by Federal Surplus Commodities Corporation.

Table 10.- Pears: Production by States, (excluding three Pacific Coast States), average 1928-37, annual 1937-38, and indicated 1939

State	Average 1928-37	1937	1938	Indicated 1939
	1,000 bu.	1,000 bu.	1,000 bu.	1,000 bu.
Maine	12	8	13	13
New Hampshire	13	15	15	12
Vermont	8	6	7	7
Massachusetts	70	65	75	44
Rhode Island	10	12	11	10
Connecticut	46	48	49	40
New York	1,298	1,305	<u>1/</u> 1,960	1,616
New Jersey	82	56	57	54
Pennsylvania	617	817	<u>1/</u> 657	843
Ohio	<u>1/</u> 606	992	634	847
Indiana	344	630	366	548
Illinois	<u>1/</u> 559	999	413	632
Michigan	974	1,380	1,411	1,398
Iowa	97	144	104	148
Missouri	360	684	66	462
Nebraska	37	43	54	55
Kansas	157	282	56	174
Delaware	17	10	7	9
Maryland	94	73	82	73
Virginia	320	416	334	196
West Virginia	61	111	35	62
North Carolina	250	281	364	206
South Carolina	99	72	129	105
Georgia	256	244	404	286
Florida	<u>1/</u> 90	127	156	83
Kentucky	204	411	135	180
Tennessee	237	284	186	261
Alabama	277	211	383	313
Mississippi	257	157	462	342
Arkansas	151	214	156	218
Louisiana	104	70	190	144
Oklahoma	117	141	80	108
Texas	358	412	440	476
Idaho	61	56	67	58
Colorado	271	153	251	168
New Mexico	42	59	27	56
Arizona	12	8	6	11
Utah	82	64	127	114
Nevada	4	4	4	4
Total above States	<u>1/</u> 8,652	11,064	9,973	10,376

1/ Includes some quantities not harvested on account of market conditions.

Table 11.- Pears: Production in 3 Pacific Coast States, average 1928-37 annual 1937-38, and indicated 1939

State	: Average : 1928-37	: 1937	: 1938	: Indicated : 1939
	: 1,000 bu.	1,000 bu.	1,000 bu.	1,000 bu.
Washington, All	<u>1/</u> 4,501	5,600	<u>1/</u> 6,500	5,860
Bartlett	<u>1/</u> 3,319	3,737	<u>1/</u> 4,340	3,700
Other	<u>1/</u> 1,182	1,863	<u>1/</u> 2,160	2,160
Oregon, All	<u>1/</u> 3,040	3,550	<u>1/</u> 4,249	4,367
Bartlett	1,353	1,118	<u>1/</u> 1,437	1,451
Other	<u>1/</u> 1,687	2,432	<u>1/</u> 2,812	2,916
California, All	<u>1/</u> 9,296	9,334	<u>1/</u> 11,751	10,042
Bartlett	<u>1/</u> 8,288	8,376	<u>1/</u> 9,751	8,917
Other	<u>1/</u> 1,008	958	2,000	1,125
Total Pacific States	<u>1/</u> 16,837	18,484	<u>1/</u> 22,500	20,269
Bartlett	<u>1/</u> 12,960	13,231	<u>1/</u> 15,528	14,068
Other	<u>1/</u> 3,877	5,253	<u>1/</u> 6,972	6,201
Total United States	<u>1/</u> 25,489	29,548	<u>1/</u> 32,473	30,645

1/ Includes some quantities not harvested on account of market conditions.

Table 12.- Pears, California Bartlett: Weighted average auction price per box, New York and Chicago, by specified weeks, 1938-39

Week	New York		Chicago	
	1938	1939	1938	1939
	Dollars	Dollars	Dollars	Dollars
July 15	3.00	3.29	<u>1/</u> 3.46	2.64
22	2.52	2.46	2.36	2.45
29	1.94	2.32	1.97	2.34
Aug. 5	1.84	2.51	1.82	2.49
12	1.82	2.63	1.81	2.56

1/ Less than 500 boxes.

Table 13.- Peaches: Production in 10 Early States, average 1928-37, annual 1937-38, and indicated 1939

State	Average 1928-37	1937	1938	Indicated 1939
	<u>1,000 bu.</u>	<u>1,000 bu.</u>	<u>1,000 bu.</u>	<u>1,000 bu.</u>
North Carolina	1,909	1,984	<u>1/</u> 2,232	1,426
South Carolina	1,140	1,080	1,515	1,462
Georgia	<u>1/</u> 5,537	2,730	5,320	4,212
Florida	62	36	68	33
Alabama	1,304	990	1,705	1,732
Mississippi	770	474	1,061	1,064
Arkansas	1,681	2,288	2,451	2,709
Louisiana	259	269	325	396
Oklahoma	529	1,073	429	600
Texas	1,278	1,392	964	1,943
Total 10 States	<u>1/</u> 14,466	12,316	<u>1/</u> 16,070	15,577

1/ Includes some quantities not harvested on account of market conditions.

Table 14.- Peaches: Unweighted average wholesale price per bushel, for stock of generally good quality and condition (U.S. No. 1 when quoted) at New York City and Chicago by specified varieties and weeks 1938-39 1/

Market and week	1938				1939			
	Hale	Elberta	Ga. Belle	All var.	Hale	Elberta	Ga. Belle	All var.
	<u>Dol.</u>	<u>Dol.</u>	<u>Dol.</u>	<u>Dol.</u>	<u>Dol.</u>	<u>Dol.</u>	<u>Dol.</u>	<u>Dol.</u>
New York :								
July 15 :	1.58	1.70	1.58	1.66	-	2.48	2.12	2.29
22 :	2.09	1.92	2.04	1.79	2.15	2.40	2.04	2.27
29 :	2.72	2.18	2.34	2.04	2.27	2.01	1.88	1.86
Aug. 5 :	2.70	2.66	2.67	2.49	2.03	1.62	1.70	1.60
12 :	2.22	2.00	2.20	1.90	1.56	1.38	1.42	1.40

Market and week	Hale	Elberta	All var.	Hale	Elberta	All var.
	<u>Dol.</u>	<u>Dol.</u>	<u>Dol.</u>	<u>Dol.</u>	<u>Dol.</u>	<u>Dol.</u>
Chicago :						
July 15 :	2.02	1.76	1.84	-	3.08	2.60
22 :	2.28	1.88	1.94	2.75	2.32	2.40
29 :	2.52	2.28	2.30	2.44	2.26	2.26
Aug. 5 :	2.42	2.08	2.24	2.12	1.66	1.75
12 :	1.80	1.78	1.78	1.80	1.40	1.48

1/ 2 - 2-1/2 inches.

Table 15.- Peaches: Production in Late States, average 1928-37, annual 1937-38, and indicated 1939

State	Average 1928-37	1937	1938	Indicated 1939
	<u>1,000 bu.</u>	<u>1,000 bu.</u>	<u>1,000 bu.</u>	<u>1,000 bu.</u>
New Hampshire	18	24	19	17
Massachusetts	116	107	88	68
Rhode Island	26	27	27	19
Connecticut	173	177	140	96
New York	<u>1/</u> 1,435	1,806	<u>1/</u> 1,134	1,640
New Jersey	1,300	1,651	<u>1/</u> 1,172	1,288
Pennsylvania	1,678	2,673	1,842	2,550
Ohio	898	1,236	481	1,162
Indiana	465	402	144	353
Illinois	1,545	2,117	1,480	2,027
Michigan	1,558	2,652	1,341	2,730
Iowa	78	87	90	111
Missouri	819	1,728	116	1,049
Nebraska	36	38	72	76
Kansas	127	232	43	122
Delaware	284	398	304	408
Maryland	382	448	352	410
Virginia	885	1,599	1,161	968
West Virginia	335	528	184	308
Kentucky	573	1,369	352	499
Tennessee	1,342	1,860	610	1,705
Idaho	136	14	181	146
Colorado	1,068	1,533	1,634	1,701
New Mexico	73	92	51	74
Arizona	62	47	22	51
Utah	461	72	573	578
Nevada	5	3	6	7
Washington	<u>1/</u> 1,083	935	<u>1/</u> 1,428	1,193
Oregon	273	241	<u>1/</u> 327	396
Total above Late States	<u>1/</u> 17,229	24,169	<u>1/</u> 15,374	21,752
California, total	<u>1/</u> 22,456	23,252	<u>1/</u> 20,501	23,835
Clingstone <u>2/</u>	<u>1/</u> 14,764	15,418	<u>1/</u> 13,042	15,043
Freestone <u>3/</u>	<u>1/</u> 7,692	7,834	7,459	8,792
United States	<u>1/</u> 54,151	59,724	<u>1/</u> 51,945	61,164

1/ Includes some quantities not harvested on account of market conditions.2/ Mainly for canning.3/ Mainly for drying.

Table 16.- Peaches, Calif.: Weighted average auction price per box,
New York and Chicago, by specified varieties and weeks,
1938-39

Market and week	1938				1939			
	Tuscan	Hale	Palora	All varieties	Tuscan	Hale	Palora	All var.
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
New York								
July 15	-	-	-	-	<u>2/</u> 1.40	-	-	1.23
22	-	-	-	<u>1/</u> .46	1.11	-	-	1.10
29	1.20	-	-	1.02	.75	.93	-	.78
Aug. 5	1.28	-	-	1.27	.71	.75	1.31	.78
12	1.27	1.07	1.25	1.02	<u>1/2/</u> .67	.68	1.08	.85
Chicago								
	Early Crawford	Hale	Elberta	All varieties	Early Crawford	Hale	Elberta	All var.
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
July 15	-	-	-	.52	-	-	-	-
22	-	-	-	.48	.59	<u>2/</u> 1.01	-	.69
29	-	-	-	1.13	<u>1/2/</u> .60	.76	.68	.74
Aug. 5	-	.91	.80	.85	-	.72	.52	.67
12	-	.88	.67	.78	-	.74	-	.74

1/ Less than 100 boxes.

2/ Average for 1 day.

Table 17.- Grapes: Production by States (excluding California),
average 1928-37, annual 1937-38, and indicated 1939

State	Average 1928-37	1937	1938	Indicated 1939
	Tons	Tons	Tons	Tons
Maine	32	30	30	30
New Hampshire	89	120	70	100
Vermont	37	50	40	40
Massachusetts	621	900	540	730
Rhode Island	289	370	220	250
Connecticut	2,018	2,520	1,960	2,460
New York	1/ 77,590	1/ 89,100	55,600	74,500
New Jersey	3,130	4,000	2,800	3,000
Pennsylvania	23,020	26,000	15,700	22,900
Ohio	29,100	37,800	9,800	41,400
Indiana	4,180	5,300	2,200	5,100
Illinois	6,470	8,600	6,300	8,800
Michigan	1/ 62,990	1/ 67,200	16,900	59,600
Wisconsin	382	450	430	460
Minnesota	256	250	270	300
Iowa	5,850	5,000	5,000	5,800
Missouri	9,750	12,300	6,200	12,300
Nebraska	2,420	1,800	3,100	2,700
Kansas	3,760	3,400	3,100	4,000
Delaware	2,100	2,200	1,500	2,200
Maryland	700	750	580	700
Virginia	2,280	3,000	2,000	2,800
West Virginia	1,381	1,900	430	1,950
North Carolina	1/ 6,044	1/ 8,100	6,600	8,300
South Carolina	1,416	1,990	1,670	2,070
Georgia	1,344	1,860	1,660	1,800
Florida	787	710	820	710
Kentucky	1,724	2,960	2,390	2,910
Tennessee	1,839	2,650	1,590	2,340
Alabama	1,204	1,680	1,400	1,730
Mississippi	285	320	250	290
Arkansas	10,520	12,800	4,800	8,200
Louisiana	54	50	50	60
Oklahoma	3,145	4,000	2,500	3,500
Texas	2,360	2,900	2,000	2,900
Idaho	535	470	580	550
Colorado	492	570	650	560
New Mexico	1,035	1,180	1,240	1,270
Arizona	1,125	560	730	720
Utah	976	630	860	730
Nevada	95	100	100	100
Washington	5,090	4,100	5,500	6,100
Oregon	2,280	2,100	2,400	2,100
Total above States	280,795	322,770	172,560	299,060

1/ Includes some quantities not harvested on account of market conditions.

Table 18.- Grapes: Production in California, by varieties, average 1928-37, annual 1937-38, and indicated 1939

Varieties	Average 1928-37	1937	1938	Indicated 1939
	Tons	Tons	Tons	Tons
Wine varieties	<u>1/</u> 465,900	<u>1/</u> 631,000	641,000	569,000
Raisin varieties	<u>1/</u> 1,122,800	<u>1/</u> 1,407,000	1,443,000	1,386,000
Dried <u>2/</u>	209,660	246,900	290,000	---
Not dried	<u>1/</u> 284,100	<u>1/</u> 419,000	283,000	---
Table varieties	<u>1/</u> 345,500	<u>1/</u> 416,000	447,000	390,000
Total California	<u>1/</u> 1,934,200	<u>1/</u> 2,454,000	2,531,000	2,345,000
Total United States	<u>1/</u> 2,214,995	<u>1/</u> 2,776,770	2,703,560	2,644,060

1/ Includes some quantities not harvested on account of market conditions.

2/ Dried basis: 1 ton of dried raisins equivalent to 4 tons of fresh grapes.

Table 19.- Grapes, Calif.: Weighted average auction price per lug, at New York and Chicago, by specified weeks, 1938-39

Market and week	1938			1939		
	Seedless	Red	Ribier	Seedless	Red	Ribier
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
New York						
July 15	1.97	---		2.47	3.02	3.35
22	1.96	2.62		2.91	2.72	3.53
29	2.43	2.64	2.64	1.77	2.81	2.73
Aug. 5	1.86	2.31	2.63	1.38	1.39	2.08
12	1.32	1.73	1.98	1.36	1.19	1.66
Chicago						
July 15	1.79	---	---	1.89	2.95	---
22	1.67	<u>1/</u> 3.07	---	2.49	2.70	<u>1/</u> 2.65
29	1.96	2.42	<u>1/</u> 2.60	1.51	1.91	2.63
Aug. 5	1.51	2.04	2.38	1.26	1.42	1.98
12	1.28	1.86	1.81	1.30	1.37	1.56

1/ Average for one day.

Table 20.- Cherries: Production by varieties, 1938-39

State	Sweet varieties 1/		Sour varieties 1/	
	: Preliminary :		: Preliminary :	
	1938	1939	1938	1939
	Tons	Tons	Tons	Tons
New York	1,440	1,980	15,460	25,230
Pennsylvania	1,960	3,280	4,600	8,890
Ohio	180	450	3,450	8,410
Michigan	2,240	2,680	12,700	32,600
Wisconsin	--	--	8,600	8,350
Montana	60	60	370	300
Idaho	1,970	1,370	520	430
Colorado	280	150	5,000	3,770
Utah	3,330	1,590	1,110	540
Washington	19,850	19,800	6,650	7,000
Oregon	19,250	21,800	1,850	2,300
California	30,000	33,600	--	--
12 States	80,560	86,760	60,310	97,820

1/ For some States in certain years, production includes some quantities unharvested on account of market conditions.

Table 21.- Grapes: Unweighted average price per lug of stock of generally good quality and condition (U. S. No. 1 grade when quoted) f.o.b. cash track, Fresno, Calif., by specified weeks 1938-39

Week ended	Thompson		Red		Ribier	
	Seedless 1/		Malaga			
	1938	1939	1938	1939	1938	1939
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
July 29	-	.70	-	.95	-	1.32
Aug. 5	.74	.68	1.12	.90	1.34	1.23
12	.64	.63	.98	.83	1.22	1.04

1/ Girdled.

Table 22.- Cherries: Production, all varieties, average 1928-37, annual 1937-38, and indicated 1939

State	Average 1928-37	1937	1938	Indicated 1939
	Tons	Tons	Tons	Tons
New York	<u>1/</u> 18,364	21,750	16,900	27,210
Pennsylvania	<u>2/</u> 7,594	9,890	6,560	12,170
Ohio	<u>2/</u> 4,814	7,340	3,630	8,860
Michigan	29,423	35,840	14,940	35,280
Wisconsin	8,699	13,500	8,600	8,350
Total 5 States	<u>1/</u> 68,894	88,320	50,630	90,640
Montana	473	340	430	360
Idaho	2,805	1,600	<u>1/</u> 2,490	1,800
Colorado	3,196	3,460	5,280	3,920
Utah	2,938	2,100	4,440	2,130
Total 4 States	9,412	7,500	<u>1/</u> 12,640	8,170
Washington	<u>1/</u> 15,170	13,500	<u>1/</u> 26,500	26,800
Oregon	<u>1/</u> 13,030	13,800	<u>1/</u> 21,100	24,100
California	<u>1/</u> 19,380	21,600	<u>1/</u> 30,000	33,600
Total 3 States	<u>1/</u> 47,580	48,900	<u>1/</u> 77,600	85,300
Total 12 States	<u>1/</u> 124,646	144,720	<u>1/</u> 140,870	184,580

1/ Includes some quantities not harvested on account of market conditions.
2/ Short-time average.

Table 23.--Strawberries: Acreage, production and price,
1939 with comparisons ^{1/}

Group and State	Acreage			Yield per acre		
	10-year			10-year		
	average	1938	1939	average	1938	1939
	1928-37			1928-37		Prél.
	Acres	Acres	Acres	Crate (24 qt.)	Crate (24 qt.)	Crate (24 qt.)
Early -						
Alabama	4,050	3,300	3,600	75	74	85
Florida	8,120	7,500	9,000	68	70	85
Louisiana	20,210	22,000	20,000	65	50	70
Mississippi	880	360	350	53	60	65
Texas	2,360	1,950	1,900	56	60	57
Total	35,620	35,110	34,850	65.3	57.2	74.7
Second early -						
Arkansas	19,370	14,100	16,900	41	60	52
California, S.dist. :	1,700	1,800	2,150	186	175	165
Georgia	490	400	250	52	60	75
North Carolina	7,910	7,200	7,900	80	52	64
South Carolina	510	250	300	70	60	75
Tennessee	16,530	15,600	17,000	47	45	50
Virginia	6,610	7,300	7,700	78	70	68
Total	53,120	46,650	52,200	58.5	59.7	60.4
Intermediate -						
California, other ..	2,840	3,230	3,300	196	160	155
Delaware	4,480	5,200	5,000	57	45	45
Illinois	4,910	6,200	6,700	52	50	65
Kansas	1,160	1,100	1,300	45	50	45
Kentucky	6,870	7,700	8,900	55	55	60
Maryland	7,540	8,100	7,900	67	55	60
Missouri	12,110	9,000	13,500	38	60	35
New Jersey	3,710	3,400	3,800	83	100	100
Oklahoma	1,620	400	900	32	60	45
Total	45,240	44,330	51,300	62.5	65.2	61.0
Late -						
Indiana	2,560	3,100	4,000	67	80	80
Iowa	1,640	800	900	54	60	75
Michigan	9,380	11,600	13,000	63	40	105
New York	3,600	3,900	4,300	75	80	85
Ohio	3,820	4,500	4,900	61	75	80
Oregon	10,920	13,400	12,200	66	85	85
Pennsylvania	3,810	5,000	5,300	68	70	85
Utah	1,240	1,400	1,300	63	60	65
Washington	7,660	7,700	7,500	71	78	71
Wisconsin	1,820	2,500	3,000	49	80	70
Total	46,450	53,900	56,400	66.1	70.2	86.4
Total all States:	180,430	179,990	194,750	62.8	63.7	70.7

Continued -

Table 23.-Strawberries: Acreage, production and price,
1939 with comparisons 1/ - Cont'd

Group and State	Production			Price per crate 2/		
	10-year		1939	10-year		1939
	average :	1938 :	Prel. :	average :	1938 :	Prel. :
	1928-37 :			1928-37 :		
	1000	1000	1000			
	crates	crates	crates	Dollars	Dollars	Dollars
Early -						
Alabama	301	244	306	2.40	2.00	2.25
Florida	559	525	765	5.14	4.00	4.15
Louisiana	1,292	3/1,100	3/1,400	4.02	4/3.65	3.20
Mississippi	3/ 45	22	23	2.54	2.90	2.80
Texas	128	117	108	4.14	3.35	3.25
Total	2,325	2,008	2,602	3.98	4/3.51	3.37
Second early -						
Arkansas	3/ 800	846	879	2.28	2.25	2.35
California, S.dist. :	316	315	355	3.17	3.10	3.75
Georgia	26	24	19	2.46	2.80	2.75
North Carolina	629	374	506	2.50	2.80	2.60
South Carolina	35	15	22	2.58	3.50	2.75
Tennessee	777	702	850	1.94	2.15	2.20
Virginia	3/ 523	511	524	2.09	2.45	2.35
Total	3,106	2,787	3,155	2.27	2.44	2.51
Intermediate -						
California, other ...	552	517	512	2.98	2.80	4.10
Delaware	257	234	225	2.08	2.95	2.40
Illinois	255	310	436	2.48	2.75	1.75
Kansas	53	55	58	2.64	2.90	2.05
Kentucky	369	424	534	2.62	2.15	1.95
Maryland	499	446	474	2.02	2.95	2.15
Missouri	480	540	472	2.80	2.60	2.30
New Jersey	308	340	380	2.30	2.90	2.75
Oklahoma	53	24	40	2.58	2.70	2.15
Total	2,826	2,890	3,131	2.42	2.71	2.49
Late -						
Indiana	172	248	320	2.51	2.60	1.75
Iowa	95	48	68	3.10	3.20	2.35
Michigan	590	464	1,365	2.71	2.85	1.50
New York	270	312	366	3.08	2.90	2.00
Ohio	232	338	441	2.82	3.20	1.90
Oregon	734	1,139	1,037	2.45	2.00	1.90
Pennsylvania	261	350	450	2.52	3.00	2.75
Utah	78	84	84	2.23	2.40	2.40
Washington	546	601	532	2.46	1.65	2.15
Wisconsin	91	200	210	2.88	3.00	2.25
Total	3,069	3,784	4,873	2.57	2.44	1.92
Total all States:	11,326	11,469	13,761	2.74	4/2.69	2.46

1/ Estimates include undetermined quantities used for canning, frozen pack, etc.

2/ Prices received by growers for harvested crop. Preliminary for 1939 crop season and subject to revision December 19, 1939.

3/ Includes some quantities not harvested.

4/ Revised.

Table 24.- Fruit: Carlot (rail and boat) shipments from originating points in the United States for the week ended August 12, with comparisons

Item	Week ended					
	1938 :			1939		
	Aug. :	July		:	Aug.	
	13 :	15	22	29	5	12
	Cars	Cars	Cars	Cars	Cars	Cars
<u>Commercial</u>						
Apples, Western	121	40	154	205	140	79
Apples, Eastern	115	111	169	63	53	89
Apricots	15	191	179	68	12	35
Blackberries	23	0	0	0	3	20
Cherries	0	63	24	4	0	0
Grapefruit	102	158	160	133	76	43
Grapes	612	75	459	616	652	706
Lemons	510	851	649	574	498	522
Mixed citrus	113	199	177	163	109	96
Mixed deciduous	132	84	110	126	83	70
Oranges and satsumas	1,446	1,548	1,601	1,453	1,529	1,325
Peaches, fresh	1,634	1,016	1,808	2,762	2,097	1,636
Pears	1,001	551	529	724	885	1,180
Plums and fresh prunes	270	525	318	216	221	398
Strawberries	0	5	0	0	0	0
Total	6,094	5,417	6,337	7,107	6,358	6,199
<u>Relief</u>						
Oranges and satsumas	81	44	47	73	87	71
Plums and prunes	0	1	14	10	32	21
Pears	0	0	4	3	0	0
Peaches	0	0	0	51	83	57
Apples	0	0	0	0	0	41
Grand total	6,175	5,462	6,402	7,244	6,560	6,389

Table 25.- Frozen fruits: Cold storage holdings, by varieties, August 1, 1939, with comparisons

Commodity	July 1,	Aug. 1,	Aug. 1,	July 1,	Aug. 1,
	5-yr.av.	5-yr.av.	1938	1939	1939.
	1934-38	1934-38			
	1000 lb.	1000 lb.	1000 lb.	1000 lb.	1000 lb.
Blackberries	Data		3,637	1,431	2,003
Blueberries	for		4,623	3,177	2,578
Cherries	these		29,762	7,095	21,976
Logan and similar berries	earlier		3,932	2,394	4,494
Raspberries	years		13,150	4,905	11,547
Strawberries	not		46,283	49,800	50,976
Other fruits	com-		51,534	12,068	15,904
Classification not reported	comparable		1/	23,240	21,172
Total	80,686	102,629	152,921	104,110	130,650

Table 26.—Fruits frozen: Cold storage holdings, August 1, 1939, by geographic divisions

Commodity	New : England and : Atlantic	Middle : Atlantic	East : North	West : North	South : Atlantic	East : Central	South : Central	West : Central	South : Pacific	Total
In small containers	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Blackberries	3	43	66	---	8	18	11	---	40	189
Blueberries	43	500	133	15	19	4	2	---	---	716
Cherries	80	737	115	119	36	4	7	3	99	1,200
Logan & similar berries	13	71	80	9	14	1	1	---	813	1,002
Raspberries	70	163	321	125	75	5	17	---	1,397	2,173
Strawberries	1,220	2,129	1,623	316	2,430	87	607	4	7,899	16,315
Other fruits	53	6,013	744	141	480	235	29	---	2,906	10,601
Total	1,482	9,656	3,082	725	3,062	354	674	7	13,154	32,196
In bulk or large containers										
Blackberries	29	506	265	72	517	131	53	---	241	1,814
Blueberries	231	762	462	316	59	32	---	---	---	1,862
Cherries	118	13,375	5,551	499	156	39	23	142	873	20,776
Logan & similar berries	21	90	127	119	---	---	2	---	3,133	3,492
Raspberries	899	2,566	1,088	206	90	25	17	---	4,483	9,374
Strawberries	1,469	7,007	4,493	3,480	2,089	596	1,168	145	14,214	34,661
Other fruits	332	9,790	4,721	469	1,274	322	624	441	8,502	26,475
Total	3,099	34,096	16,707	5,161	4,185	1,145	1,887	728	31,446	98,454
Total, all containers										
Blackberries	32	549	331	72	525	149	64	---	281	2,003
Blueberries	274	1,262	595	331	78	36	2	---	---	2,578
Cherries	198	14,112	5,666	618	192	43	30	145	972	21,976
Logan & similar berries	34	161	207	128	14	1	3	---	3,946	4,494
Raspberries	969	2,729	1,409	331	165	30	34	---	5,380	11,547
Strawberries	2,689	9,136	6,116	3,796	4,519	683	1,775	149	22,113	50,976
Other fruits	385	15,803	5,465	610	1,754	557	653	441	11,408	37,076
Total	4,581	43,752	19,789	5,886	7,247	1,499	2,561	735	44,600	130,650

